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stopper with respect to the tube from the second position toward the second end of the tube compresses the medicament held between the second stopper and the first stopper so that the medicament is expelled through the fluid pathway.

a²
10. (Amended) The cartridge of claim 9, wherein the second stopper has a medicament contacting surface configured and dimensioned to mate with the frustroconical shape of the first stopper to minimize volume of medicament remaining in the lumen after the injection is completed.

a³
13. (Amended) The cartridge of claim 1, wherein the cartridge is configured for use in combination with an injection device for firing the cartridge to expel the medicament.

Please add the following new claims:

16. (New) An injection assembly comprising:
the cartridge of claim 1; and
an injection device configured for firing the cartridge to expel the medicament.

a⁴
17. (New) A medicament cartridge for an injection system comprising:
a medicament comprising first and second medicament components;
a tube having first and second ends and a lumen with a longitudinal axis for retaining the medicament therein, wherein the lumen has a portion with an enlarged diameter;
a needle operatively associated with the second end of the tube and having a piercing end extending into the lumen;
a first stopper within the lumen located near the second end moveable within the lumen along the longitudinal axis;
a second stopper within the lumen located near the first end moveable within the lumen along the longitudinal axis; and
third stopper within the lumen located between the second stopper and the enlarged diameter and moveable within the lumen along the longitudinal axis, wherein the first medicament component is disposed between the second and third stoppers, and the second medicament component is present between the third and first stoppers;

wherein movement between the first stopper and the needle causes the piercing end of the needle to pierce the first stopper to create a fluid pathway for the medicament through the needle and movement of the second stopper toward the second end of the tube compresses the medicament held between the second stopper and the first stopper so that the medicament is expelled through the fluid pathway;

wherein movement of the third stopper to the enlarged diameter portion allows the first and second medicament components to mix to form the medicament.

18. (New) A method of injecting a medicament, comprising:

providing a medicament within a lumen of a tube that has first and second ends and between first and second stoppers that are disposed near the second and first ends of the tube, respectively;

moving the first stopper within the lumen towards a needle that is associated with the second end to cause a piercing end of the needle to pierce the first stopper to create a fluid pathway for the medicament through the needle; and

moving the second stopper within the lumen towards the second end to compress to compress the medicament to expel the medicament through the fluid pathway.

19. (New) The method of claim 18, wherein movement of the second stopper toward the second end of the tube compresses the medicament between the first stopper and the second stopper to move the first stopper toward the second end of the tube for piercing the first stopper with the piercing end of the needle and create the fluid pathway for the medicament through the needle.

20. (New) The method of claim 18, wherein the medicament is expelled through an injecting tip of the needle that extends beyond the second end of the tube.

21. (New) The method of claim 18, wherein:

a first medicament component of the medicament is provided between the second and a third stopper in the lumen;

a second medicament component is provided between the third and first stoppers in the lumen;